RP-PG1812I

16-P Gigabit + 2-SFP slot L2 Managed PoE+ Switch, w/ 12-port PoE

RP-PG1812I is a cost-effect high performance 18G L2 PoE switch - 16* 10/100/1000Mbps TX ports and 2* SFP ports are supported. This switch supports remote management by SNMP, Http and Telnet interfaces, and local management by console interface. Console interface is supported for some basic settings. RP-PG1812I supports lots of L2 switch functions, e.g. 802.1Q VLAN, 802.1x Port Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, QoS functions, ... etc. Auto-MDIX function is supported for every TX port of the switch for easy cable connection. RP-PG1812I is compliant with IEEE802.3af and the pre-standard of 802.3at. The 12* 10/100/1000Mbps TX ports (Port5 ~ Port16) are selectable to provide up to 15.4 or 30 watts power to connecter PoE supported devices.

Feature

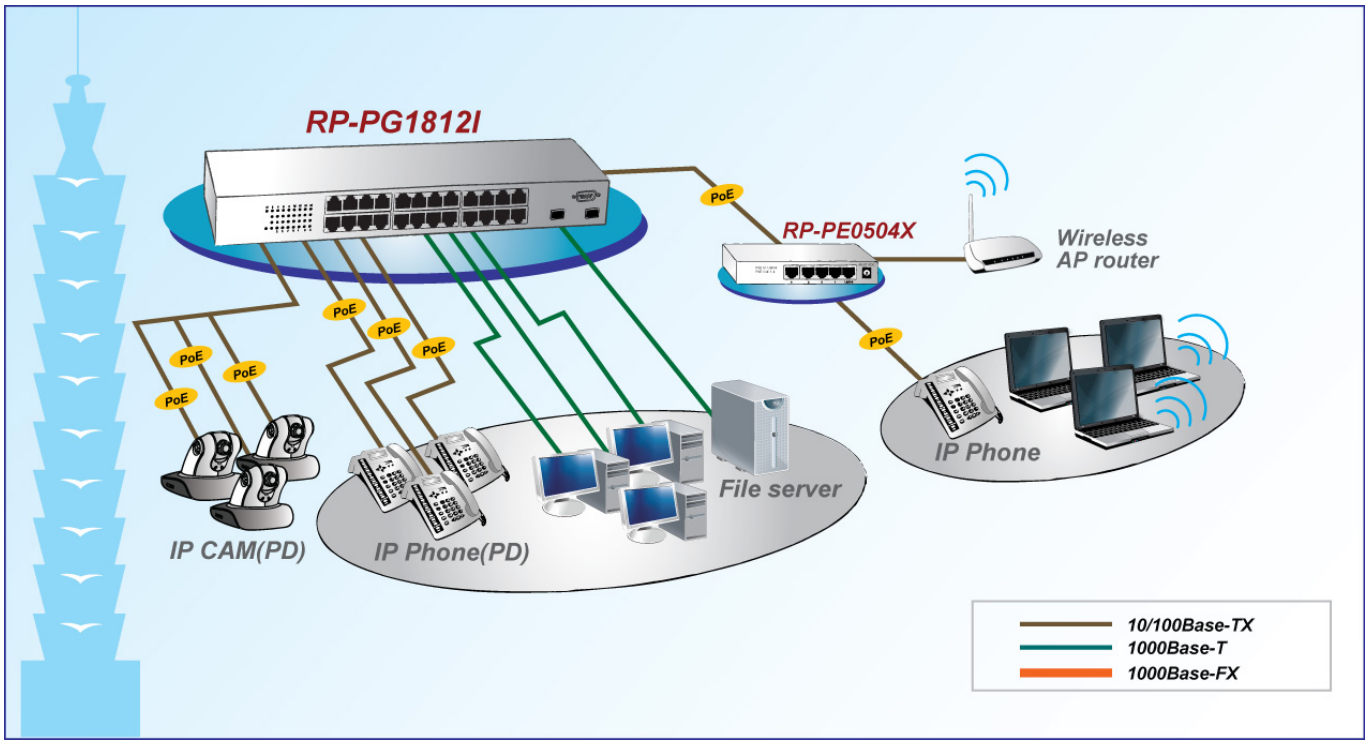
- Port 5 ~ Port 16 support PoE function (IEEE802.3af and IEEE802.3at are supported)
- Time Based PoE function
- Out-band console and in-band SNMP/Http/Https/Telnet management interface
- CISCO-like Command Line Interface
- IEEE802.1Q VLAN, 1024 active VLAN maximum with VID 1~4094
- Port-based VLAN & Private VLAN & VLAN Stacking(Q in Q)
- DHCP Relay Option 82
- IP-Port Binding
- IEEE802.3ad LACP for link aggregation
- IEEE802.1x for user authentication, Dynamic VLAN and Guest VLAN are supported
- IGMP snooping and query and MVR(Multicast VLAN Registration)
- 4 priority queues for Port-based, 802.1P QoS operation, with Strict Priority/WRR scheduling
- IEEE802.1d Spanning Tree Compatible & IEEE802.1w Rapid Spanning Tree
- Port rate limit for ingress/egress traffic & Storm Control
- Static MAC address binding / Dynamic Mac address number limit
- Event log and Syslog are supported
- Administrator IP/Subnet limit for security
- Radius Authentication for Management Access

Specification

Standards	• IEEE802.3(10BaseT Ethernet), IEEE802.3u(100Base Fast Ethernet), • IEEE802.3ab(1000BaseT), IEEE802.3z(1000Base),IEEE802.3x • IEEE802.1D, IEEE802.1w, IEEE802.1P, IEEE802.1Q, IEEE802.1x • IEEE802.3ad, EEE802.1ad • IEEE802.3af & IEEE802.3at
Interface	• 16* RJ45 ports, with 10/100/1000Mbps, Full/Half duplex auto-negotiation and Auto-MDIX and Fource MDI/MDIX function • 2* SFP 1000Base-x ports, Port 17 and Port 18
Console Port	• DB9 console port
Filter & Forwarding Rate	• Full line speed
Transmission method	• Store-and-forward
Packet Buffer	• 500K Bytes
Mac Table Size	• 8K
Max Packet Size	• 1518 bytes (without tag), 9600 bytes for Jumbo Frame
Flow Control	• Back pressure for half duplex, IEEE802.3x for full duplex
PoE Specification	• PoE Ports: 12 Ports(Port 5 ~ Port 16) • Per Port 56V DC, 350mA . Max. 15.4Watts ; Per Port 56V DC, 600mA . Max. 30Watts • 150Watts / 250Watts PoE Power Budget • Power PIN Assignment 1/2(-), 3/6(+) • PoE Time Based: PoE ON-OFF Control
Management	• Out-band : Console (CISCO-like Command Line Interface) • In-band : SNMP/Telnet/Http/Https • Administrator IP/Subnet limit is supported. • Radius Authentication for Management Access(Telnet/Http)
DHCP	• DHCP Client / Relay / Option 82 functions
SNMP agent	• Version. 1, 2c • Support MIB II(RFC1213), Bridge MIB (RFC 1493), • VLAN MIB (802.1Q, RFC2674), Private MIB
VLAN	• IEEE802.1Q VLAN with 1024 co-current groups maximum from 4094 VLANs • Port-based VLAN & Private VLAN & Q in Q
Trunking	• Support up to 8 trunks using either static or dynamic trunking (LACP)
QoS	• Four priority queues per port for Port-based & 802.1p tagged-based QoS • Strict Priority/WRR scheduling
Spanning Tree	• IEEE802.1d STP & IEEE802.1w RSTP
Port Mirror	• Support Port Mirror
Network Security	• IP-MAC-Port Binding • Static MAC Address Binding • Dynamic MAC Address Number Limit • DHCP Option 82 Functions, DHCP Snooping • Access Control List (ACL) • Administrator IP/Subnet Limit
IEEE 802.1x	• Transparent and Authentication modes • Dynamic VLAN & Guest VLAN are supported
Rate Control	• 1~31 levels, with level is configured between 128Kbps ~ 30Mbps
Storm Control	• for broadcast/flooding/multicast traffic control
IP Multicast	• IGMP Snooping(256 Groups Max.) / query and MVR function
Software Upgrade	• Out-band: Xmodem, In-band: TFTP/Http/Https

LED Indicators	• Per Port: Link/Act , PoE Act • Per Device: Power, System
Power Consumption	• Max. 16W (no PD device connected)
Power Supply	• Internal Power supply 100~240VAC, 50/60 Hz
Environment	• Operating temperature : 0°C to 50°C • Operating Humidity: 10% to 90% (Non-Condensing)
Dimension	• 330 * 204 * 43mm
Certification	• FCC, CE

Application



Ordering information

RP-PG1812I	16-P Gigabit + 2-SFP slot L2 Managed PoE+ Switch, w/ 12-port PoE (150W)

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